

IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE

In re Application of: Ketelson, Howard

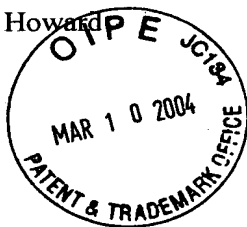
Serial No: 10/732,934

Confirmation No.: NYA

Filed: December 11, 2003

Examiner: NYA

Group Art Unit: NYA



CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as "Express Mail" Mailing Label No. EV 225 496 643 US addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

Date: March 10, 2004

Name: Deborah A. Weinschenk

Signature: Deborah A. Weinschenk

For: COMPOSITIONS AND METHODS FOR INHIBITING PROTEIN ON SURFACES

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.56 AND §1.97 (b)(1)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §1.56, Applicants direct the attention of the Examiner to the twenty-six (26) reference(s) listed on the attached Form PTO-1449.

Because the PTO has waived the requirement under 37 CFR 1.98(a)(2) to submit copies of each cited U.S. patent and patent application publication in all U.S. national patent applications filed after June 30, 2003, copies of those documents are not being provided with this Information Disclosure Statement. Copies of the foreign patent documents and non-patent literature listed on the attached Form PTO-1449 are enclosed.

Applicants respectfully request that the listed references be considered during prosecution of this application, and that the references appear among the References Cited on any patent issuing herefrom.

Respectfully submitted,
ALCON RESEARCH, LTD.

Date March 10, 2004 By Gregg C. Brown
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Attorney Docket No.: 2437 US

FORM PTO-1449		U.S. DEPT. OF COMMERCE Patent & Trademark Office		ATTY. DOCKET NO.		SERIAL NO.	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				2438 U.S. PATENT & TRADEMARK OFFICE MAR 10 2004		10/732,934	
				APPLICANT		Ketelson, Howard	
				FILING DATE		GROUP	
				12/11/2003		NYA	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA1	4,411,932	10/25/93	Kwan			
	AB1	6,096,138	8/1/00	Heller, et al.			
	AC1	6,153,568	11/28/00	McCanna, et al.			
	AD1	6,270,903	8/7/01	Feng, et al.			
	AE1	6,274,133	8/14/01	Hu, et al.			
	AF1	6,323,165	11/27/01	Heller, et al.			
	AG1	6,426,086	7/30/02	Papahadjopoulos, et al.			
	AH1	6,447,897	9/10/02	Liang, et al.			
	AI1	6,486,213	11/26/02	Chen, et al.			
	AJ1	6,494,861	12/17/02	Tsukernik			
	AK1	6,582,926	6/24/03	Chilkoti			
	AL1	6,664,294	12/16/03	Park, et al.			
	AM1	2002/0004466	1/10/02	Xia, et al.			

FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
					YES	NO		
AN1	WO 02/30571	4/18/02	WIPO					
AO1								
AP1								

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
AQ1	Lee, et al., "Protein-Resistant Surfaces Prepared by PEO-Containing Block Copolymer Surfactants", <u>Journal of Biomedical Materials Research</u> , Vol. 23, 1989, pages 351-368
AR1	Huber, et al., "Programmed Adsorption and Release of Proteins in a Microfluidic Device", <u>Science</u> , Vol. 301, 7/18/03; pages 352-354
AS1	Hsiue, et al., "Preparation of Controlled Release Ophthalmic Drops, for Glaucoma Therapy Using Thermosensitive Poly-N-Isopropylacrylamide" <u>Biomaterials</u> , Vol. 23, 2002, pages 457-462

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

FORM PTO-1449		U.S. DEPT. OF COMMERCE Patent & Trademark Office		ATTY. DOCKET NO. 2437 US		SERIAL NO. 10/732,934	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Ketelson, Howard			
				FILING DATE 12/11/2003		GROUP NYA	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA2						
	AB2						
	AC2						
	AD2						
	AE2						
	AF2						
	AG2						
	AH2						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ2						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AK2	Kidoaki, et al., "Thermoresponsive Structural Change of a Poly(N-isopropylacrylamide) Graft Layer Measured with an Atomic Force Microscope", <u>Langmuir</u> , 2001, pages 2402-2407					
	AL2	Rochev, et al., "Surface Modification for Controlled Cell Growth on Copolymers of N-isopropylacrylamide", <u>Polymer Science</u> , Vol. 118, 2001, pages 153-156					
	AM2	Chen, et al., "Graft Copolymers Having Hydrophobic Backbone and Hydrophilic Branches. XVI Polystyrene Microspheres with Poly(N-isopropylacrylamide)", <u>Polymres for Advanced Technologies</u> , Vol. 10, 1999, pages 120-126					
	AN2	Ho, "Interactions of PEO-Containing Polymeric Surfactants with Hydrophobic Surfaces, Chapter 2, "Solution Properties of Polyethylene Oxide in Water", <u>University of Utah</u> , 1988, pages 14-46					
	AO2	Bohanon, et al., "Neural Cell Pattern Formation on Glass and Oxidized Silicon Surfaces With Poly (N-isopropylacrylamide), Vol. 8, No. 1, 1996, pages 19-39					
	AP2	Heskins, et al., "Solution Properties of Poly (N-isopropylacrylamide), <u>Journal, Macrolol. Sci.-Chem.</u> , Vol. A2(8), 12/1986, pages 1441-1455					
	AQ2	Yamada, et al., "Membrane Properties of Polyethylene Films Photografted with Hydrophilic Monomers", <u>Polymer Gels and Networks</u> , Vol. 2, 1994, pages 323-331					
	AR2	Dong, et al., "Chapter 16 - Thermally Reversible Hydrogels", <u>American Chemical Society Symposium</u> , 1987, pages 236-244					
	AS2	Singer, Press Release, "Sandia Microfluidic Device Rapidly Captures and Releases Proteins, Science Reports", <u>Sandia National Laboratories, A Department of Energy National Laboratory</u> , 7/22/2003, pages 1-2					
	AT2						

EXAMINER	DATE CONSIDERED
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